

Appi. No: 10/601,135
Amct. dated February 22, 2005
Reply to Office Action of October 21, 2004

Amendments to the Abstract

Please replace the Abstract subtitle and text with the following:

Abstract of the Disclosure

The treatment unit $[(16)]$ comprises N adsorption units, N being greater than or equal to 1, operating on a parametrized cycle split uniformly into at most N phase times. Further more, use is made of a control unit $[(30)]$ for controlling the treatment unit $[(16)]$, designed to modify at least one parameter of the cycle. Each time there is a predicted change in the composition of the feed gas, the control unit is sent a pre-established signal representing this change. The processing unit $[(30)]$ then processes the said signal to determine the parameters of an exceptional operating cycle of the treatment unit $[(16)]$ which cycle is suited to the said predicted change.

~~Application to the production of practically pure hydrogen.~~

~~Figure 4.~~